

LCI510 Turn On/Turn Off Instructions

Kim Peifley

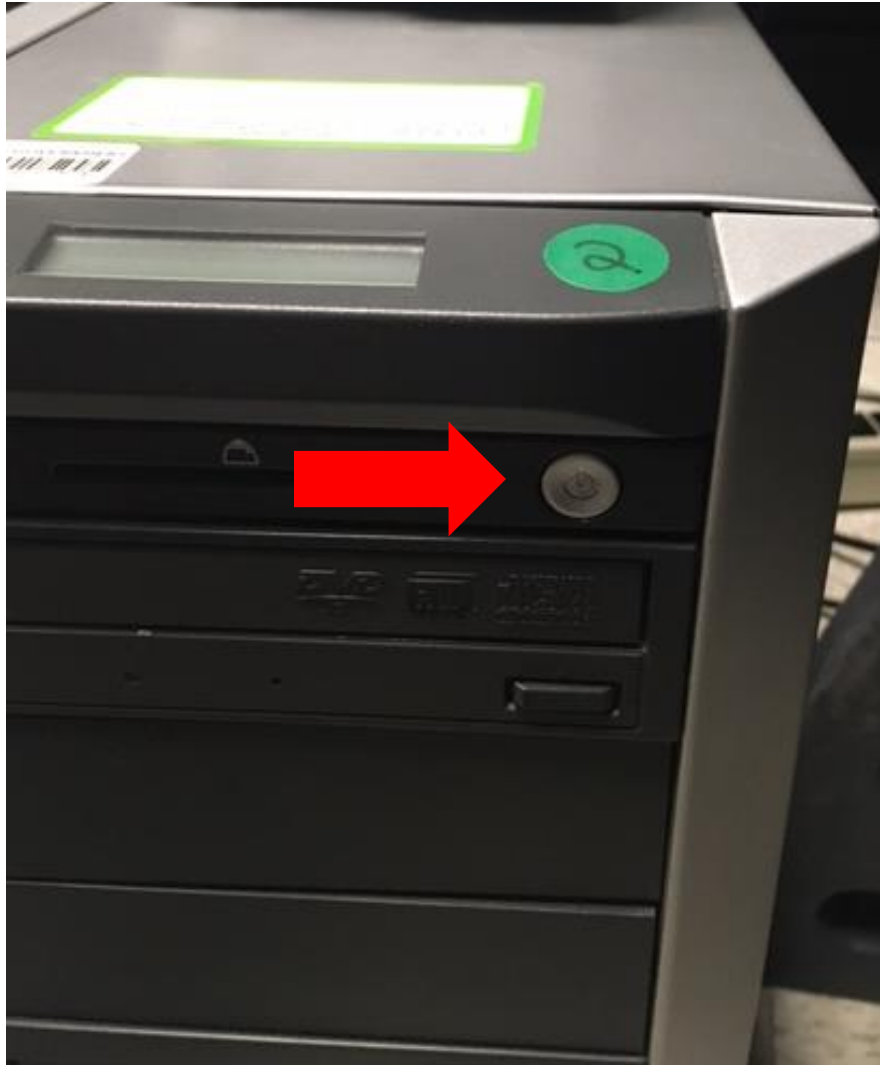
11/09/16

Turn On

1. Turn on “System/PC” and “Components” Switches.



2. Turn on the Computer with the button on the top right front of the computer.



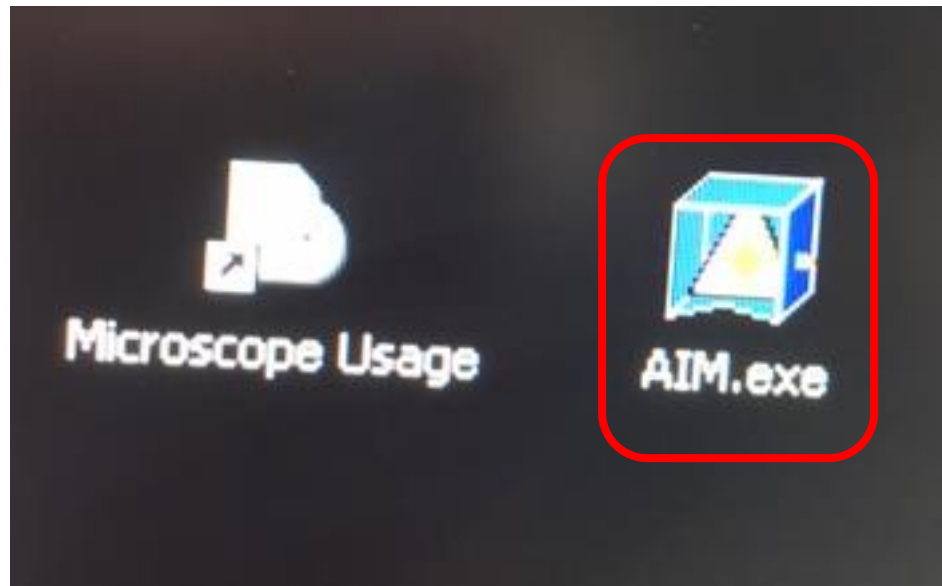
3. Turn on the bottom left power switch of the EXFO light source located on top of the computer.



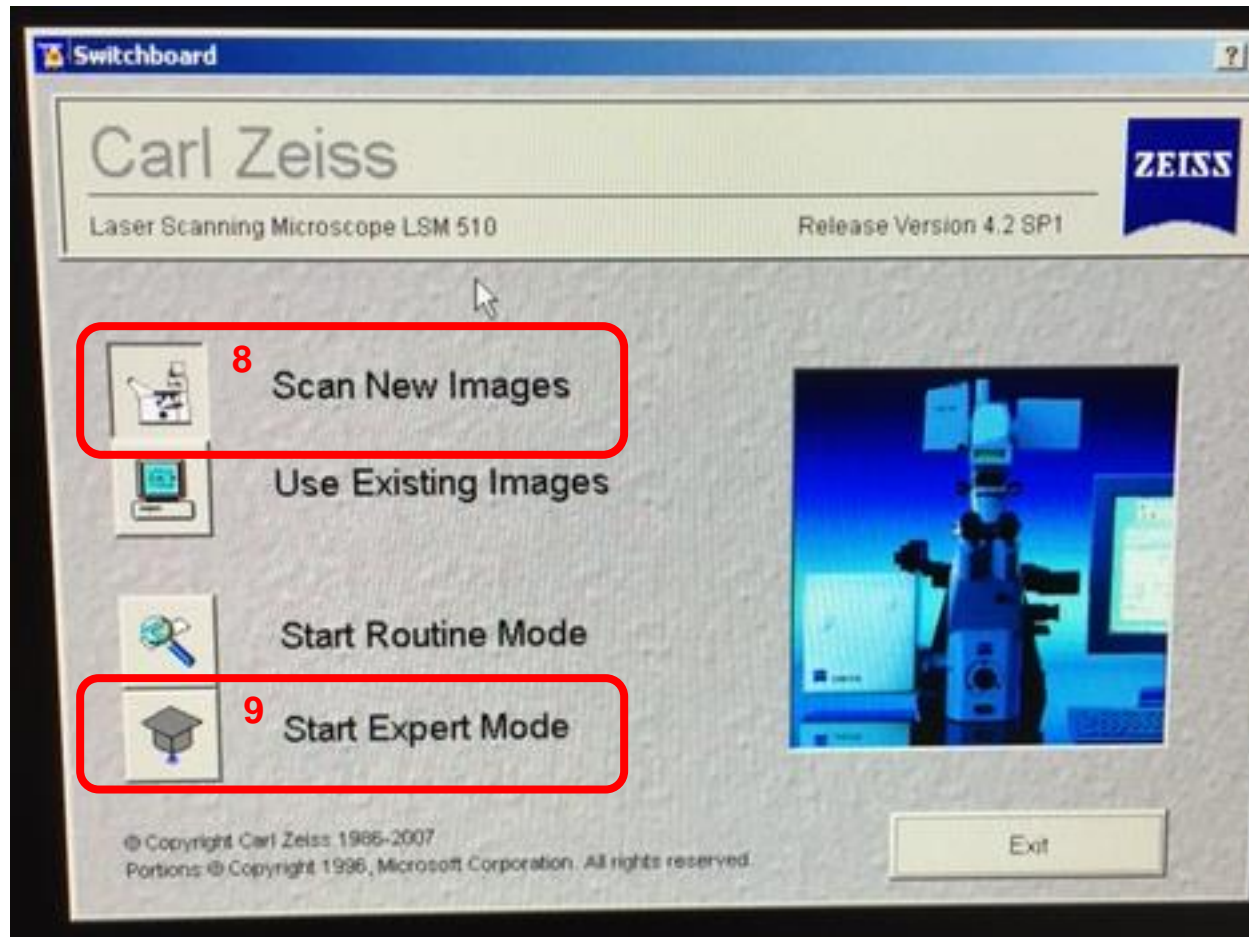
4. Log on to the computer. User name is “administrator”.
5. The password is administrator.
6. Click OK.



7. On the computer, double click the AIM.exe icon to open acquisition software.

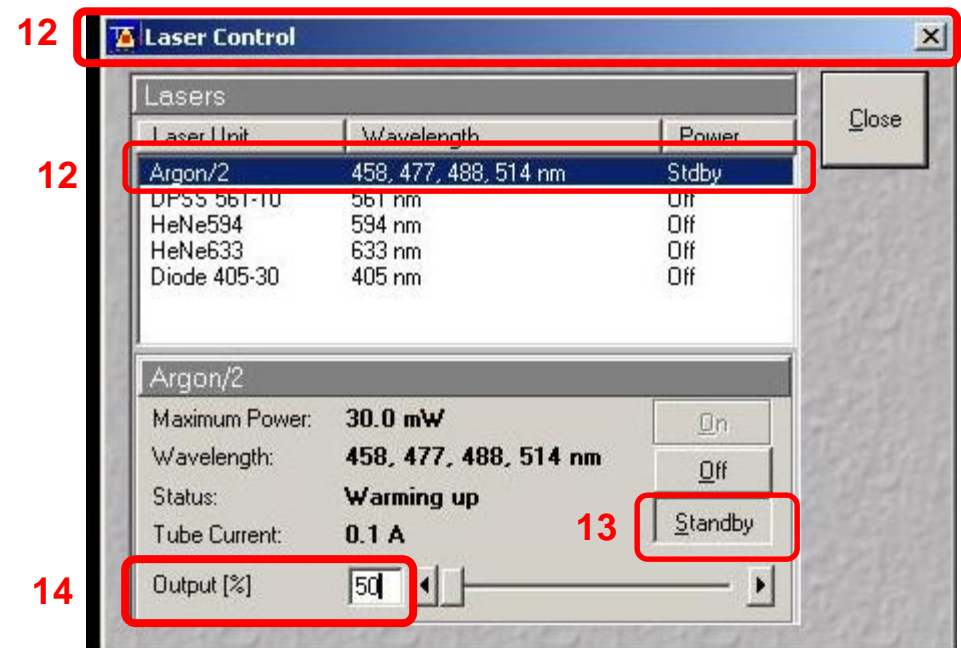


8. Click Scan New Images.
9. Click Start Expert Mode.





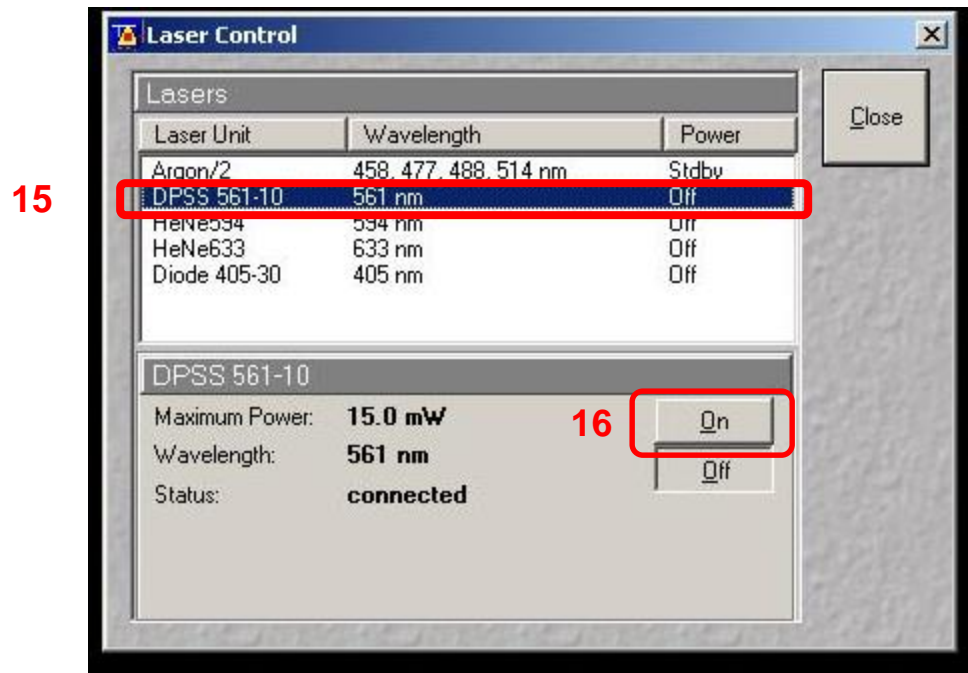
10. Click Acquire button.
11. Click Laser button.
12. In Laser Control box highlight the Argon/2 laser.
13. Click Standby.
14. Adjust Output [%] to 50.



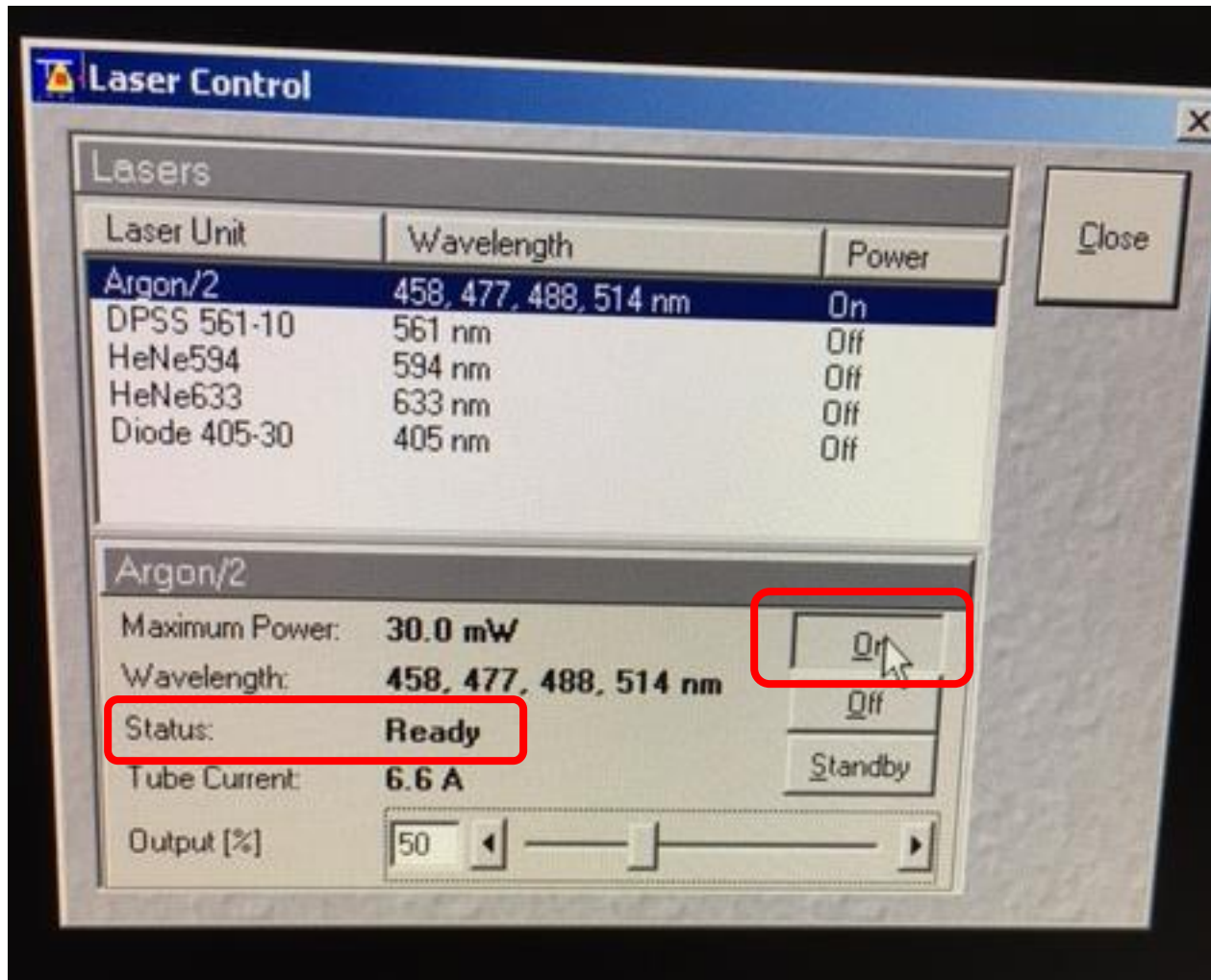
15. Highlight lasers you are using.

16. Click On.

NOTE: Please only turn on lasers that you are using.



17. Once Argon2 laser is warmed up [Status: Ready] you can click On.



18. Clean off the objective even if you are using a dry objective. If there is oil on a dry objective you will not be able to focus on your sample.

Always use lens paper to clean the objective.



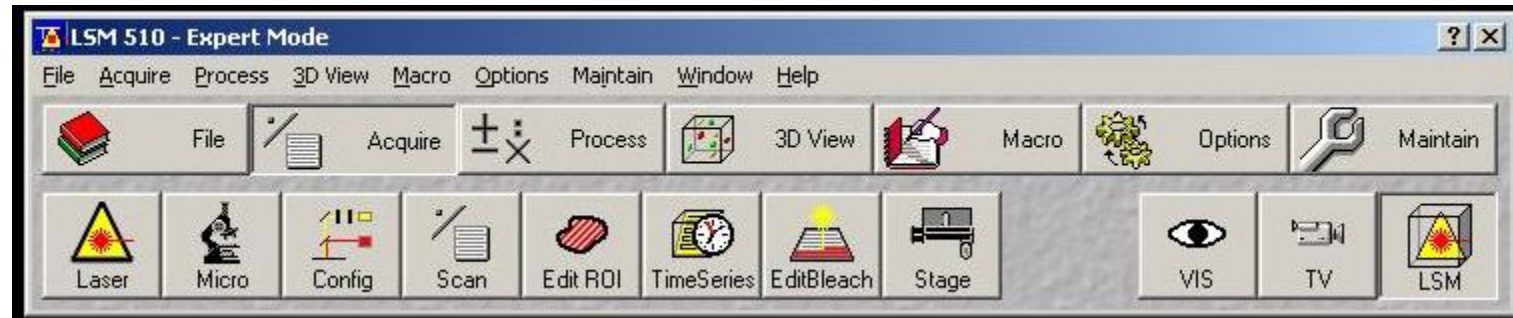
Use Sparkle to clean the objective.



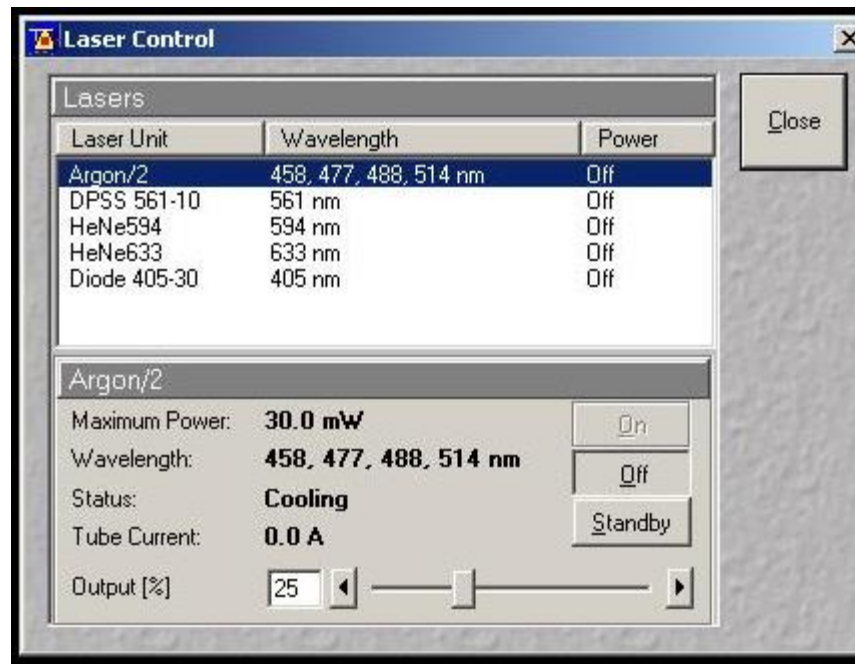
Turn Off

1. Remove sample from microscope.
2. Clean oil off objective.
3. Clean oil off your sample.
4. Check for oil underneath the slide holder and clean if needed.
5. Close all windows but Laser Control window and main menu bar.

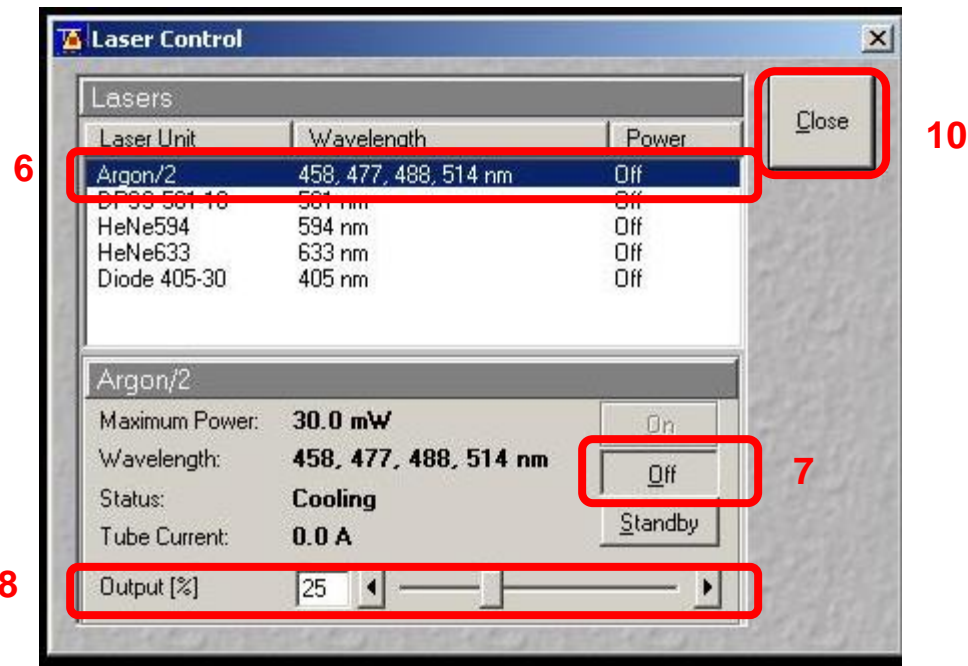
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5



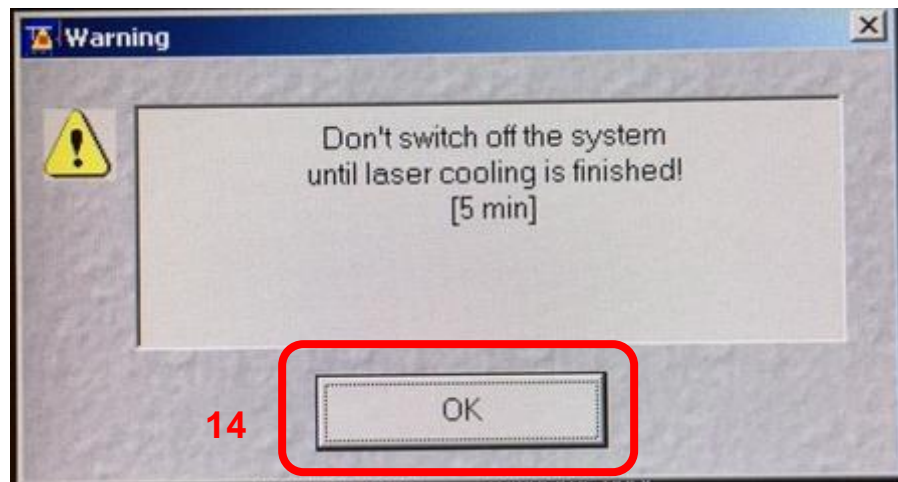
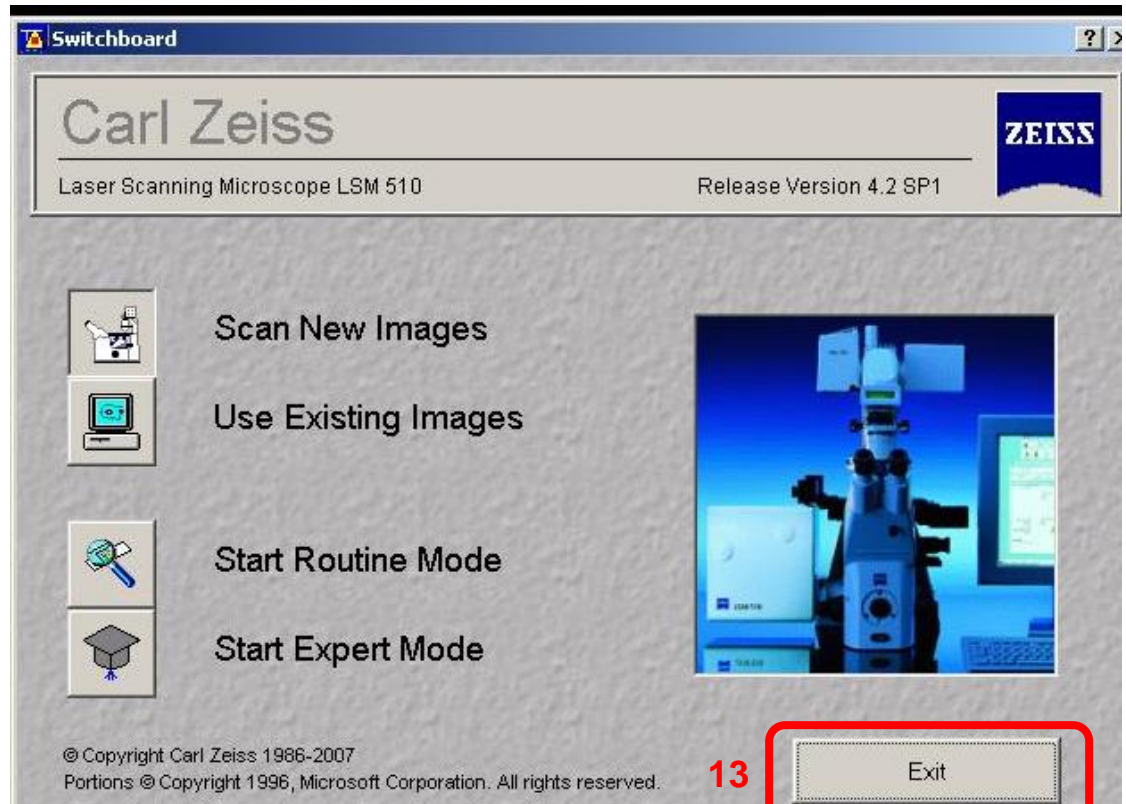
6. Turn off lasers by highlighting the laser.
7. Click off button.
8. Return the Argon/2 laser to 25 Output [%].
9. Turn off all other lasers.
10. Close Laser Control Window by clicking the Close button.



11. On the main menu click File.
12. Select Exit from the drop down menu



13. Click “Exit” on the bottom right of the new window.
14. Click “OK” in the “laser cooling warning” window”.



Move your data to the OMAL server:

15. Click My Computer.

16. Click Tools.

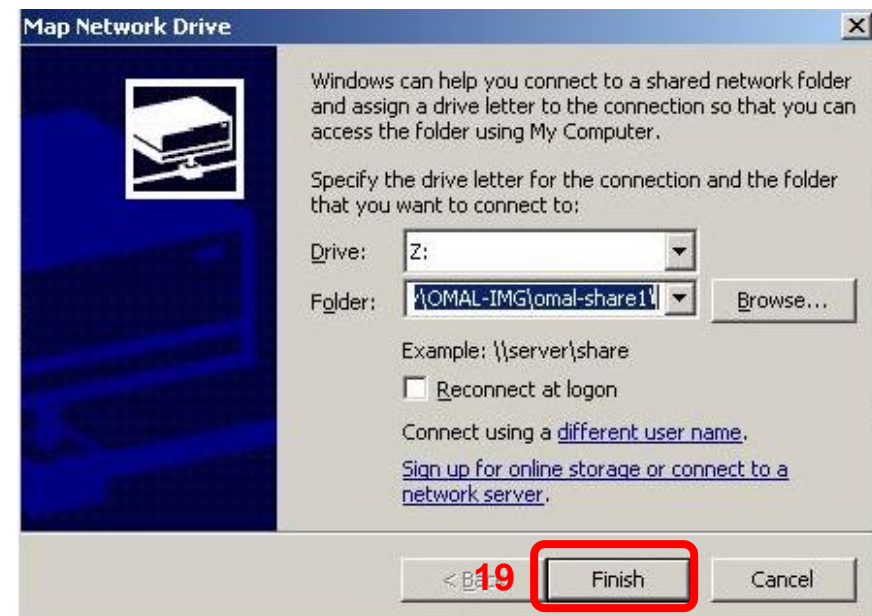
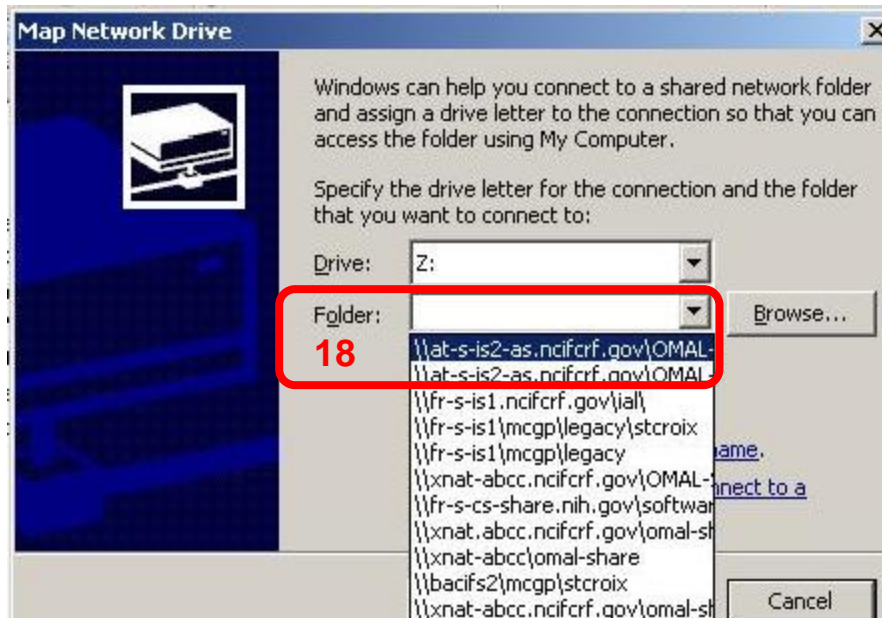
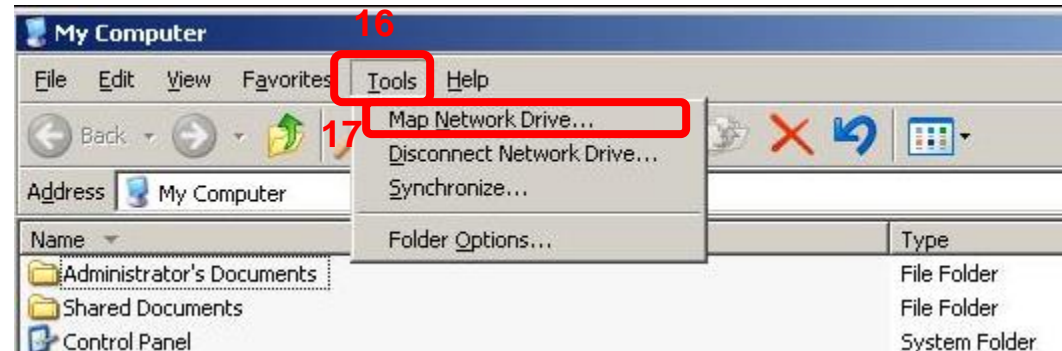
17. Select Map Network Drive .

18. In drop down menu select the server.

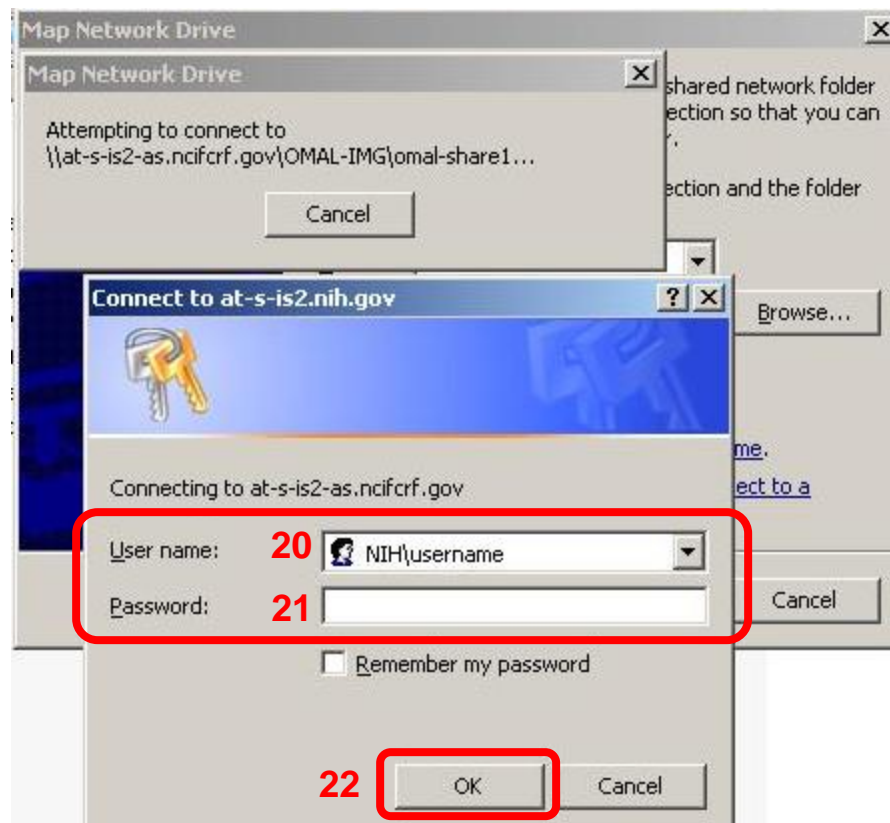
19. Click Finish.

The server address is: \\lat-s-is2-as.ncifcrf.gov\OMAL-IMG\omal-share1\

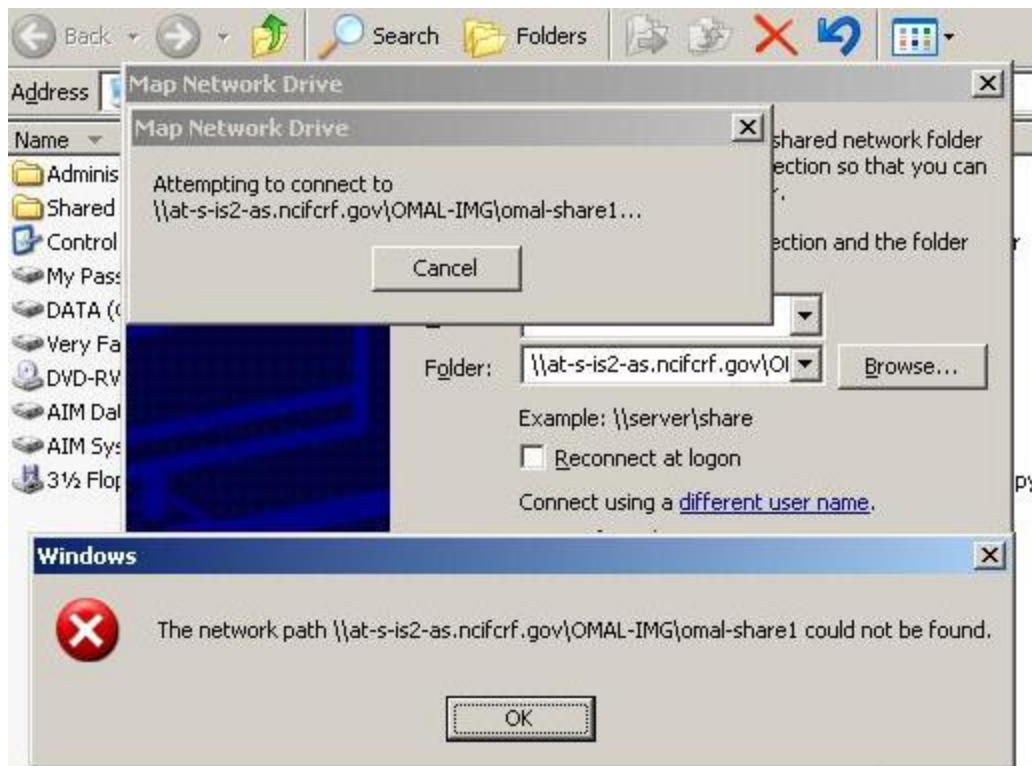
15



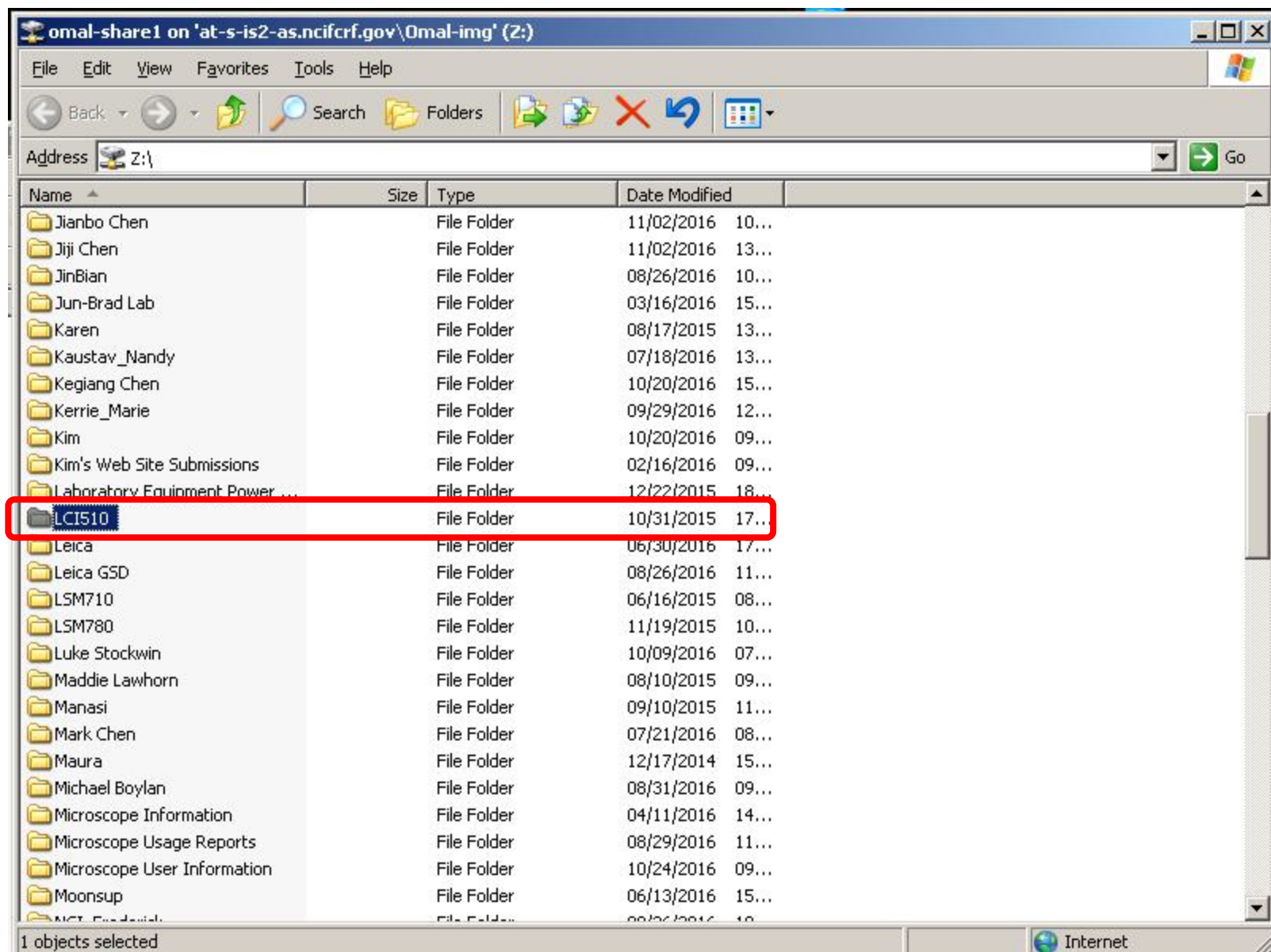
20. Enter your NIH user name. It is best to do it in the NIH\username format.
21. Enter your NIH password.
22. Click OK.



Note: Should you get the notice shown below retry using the server address that does not have the \ after omal-share1. \\at-s-is2-as.ncifcrf.gov\OMAL-IMG\omal-share1

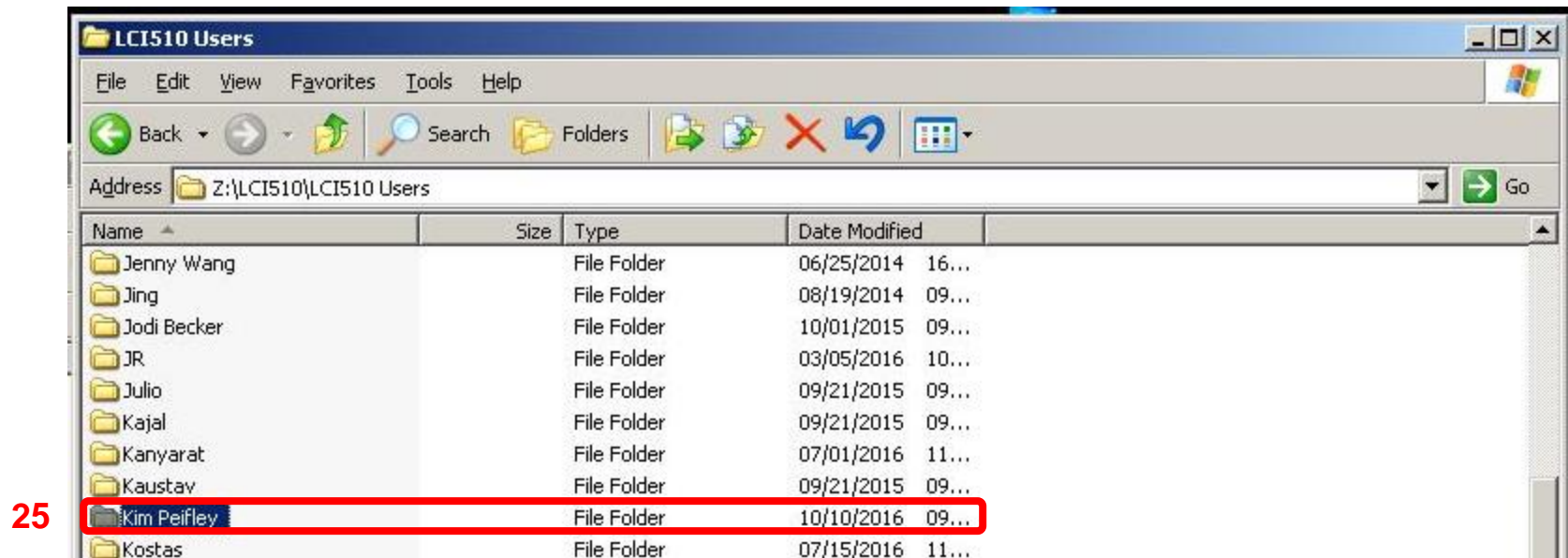
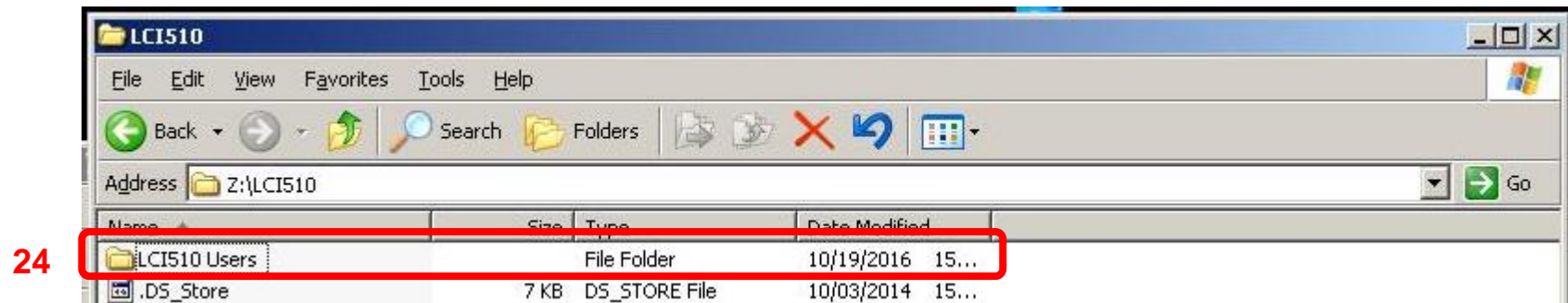


23. Locate the folder for the LCI510 Microscope and click on the folder.



24. Click on LCI510 Users.

25. Locate your folder and click to open it.



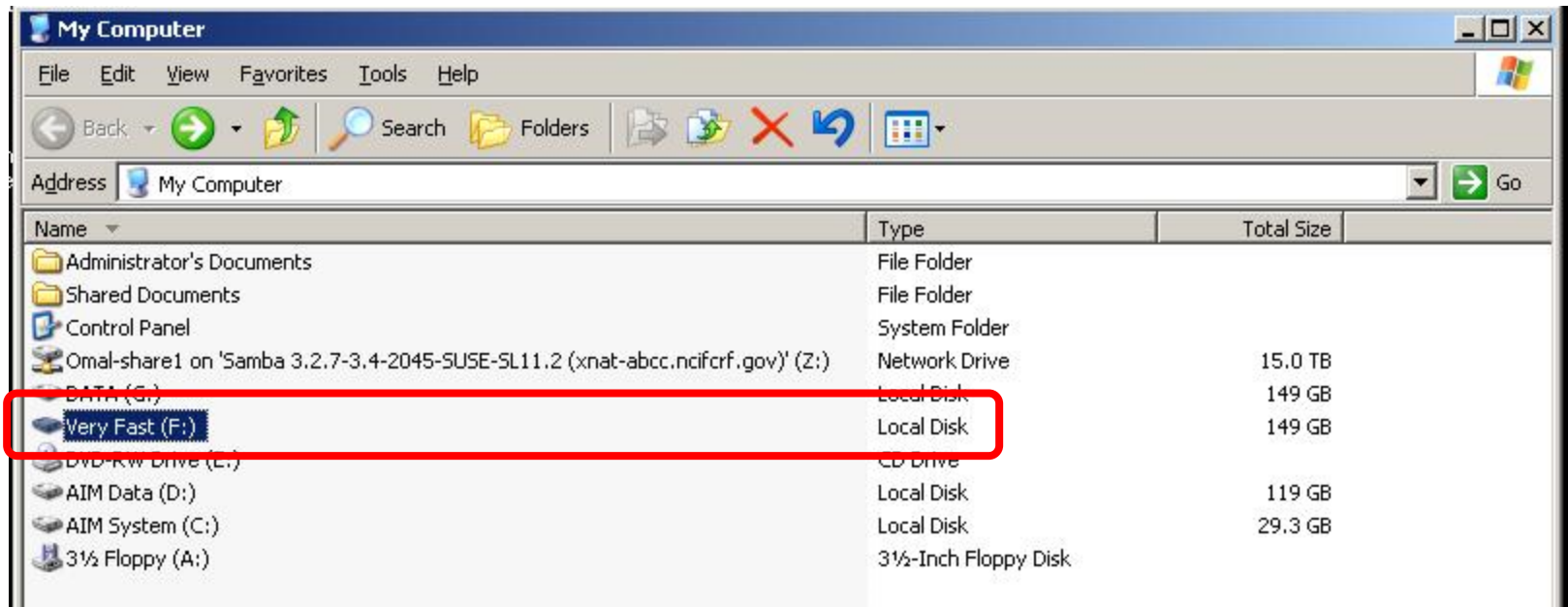
26. Click on My Computer.

27. Highlight and click to open Very Fast (F:) drive. This is the local data drive.

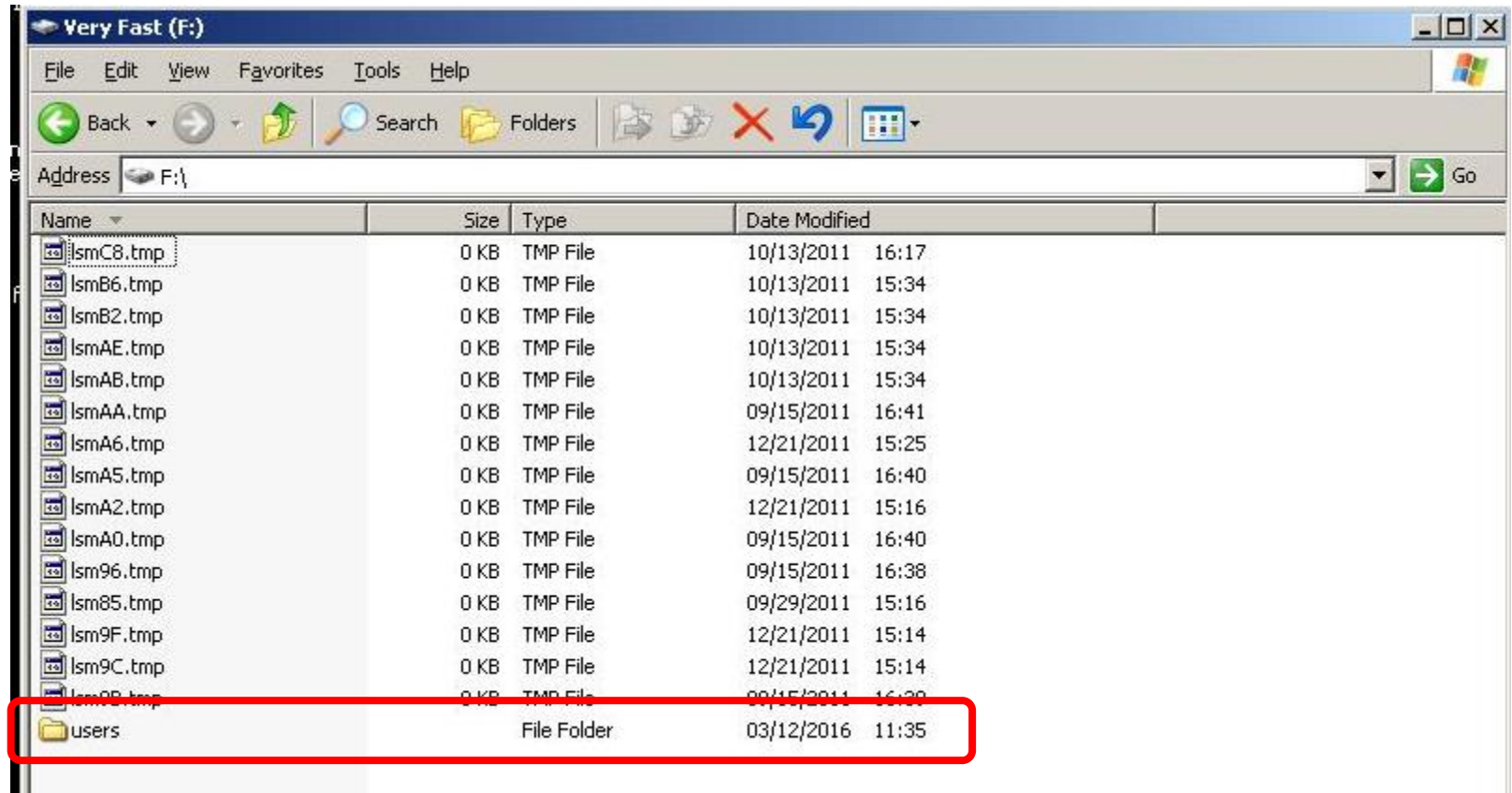
26



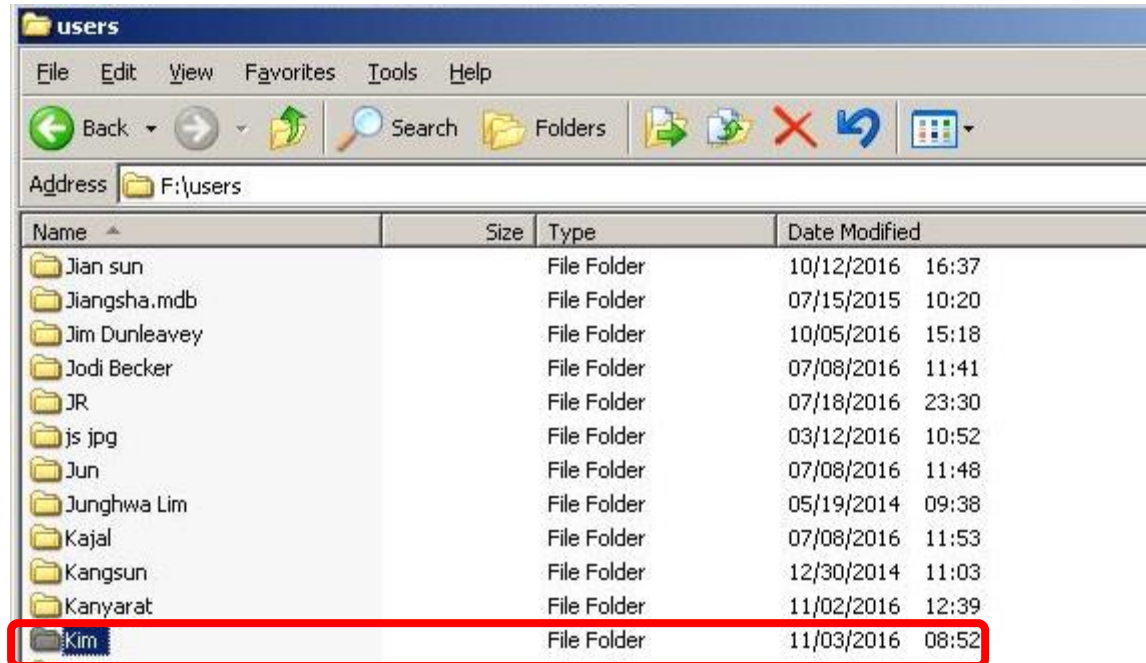
27



28. Click to open the users folder.

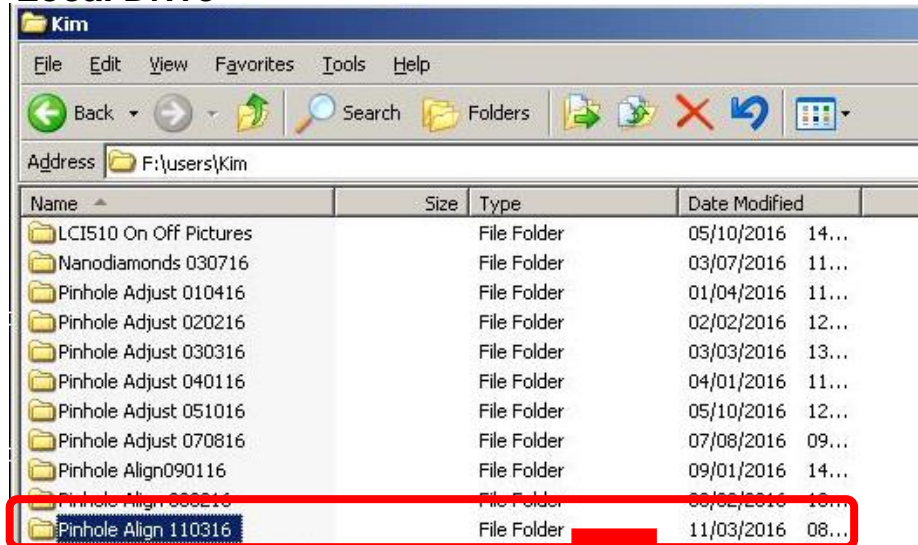


29. Click to open up your folder.

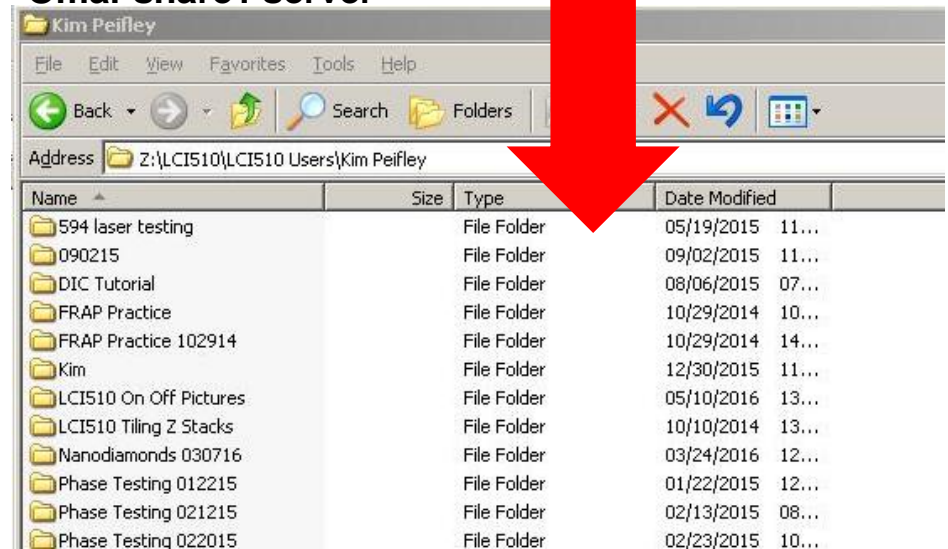


30. Drag your folder from the Local Drive to the omal-share1 server.

Local Drive

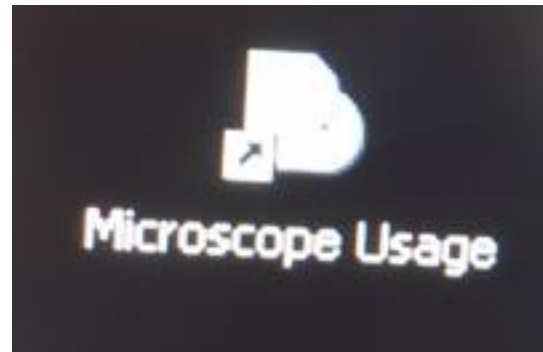


Omali-share1 server



Fill out User Log:
31. Click Microscope Usage.

31



Fill out User Log (continued):

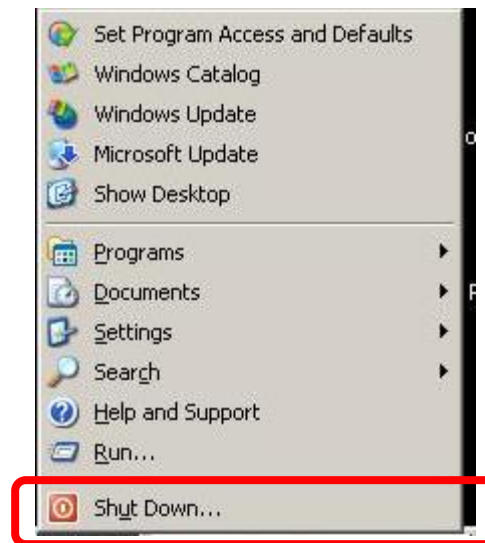
32. In User Details fill out your name and extension.
33. In Lab Details fill out your PI's name and extension.
34. In Lab Name fill out your lab name. Abbreviations are fine.
35. Under Equipment ID use the drop down menu to select LCI510.
36. Enter Start and End Time in 24 hour format.
37. Click Go to fill out the Duration time.
38. Click Enter.
39. Click X to exit program.

Note: If you have previously entered any information in User and Lab Details you will see it show up. Just highlight and click to populate these sections

The screenshot shows the 'Microscope Usage' application window. The title bar reads 'Microscope Usage'. The main header area has a microscope icon and the text 'Image Analysis Lab: Microscope Usage'. Below this, the 'Record ID' is displayed as '2283'. The form is divided into several sections:

- User Details (32):** Includes fields for 'First Name', 'Last Name', and 'Tel:' (with sub-fields for '301', '846', and an empty field).
- Lab Details (33):** Includes fields for 'PI First Name', 'PI Last Name', and 'Tel:' (with sub-fields for '301', '846', and an empty field).
- Lab Name (34):** A single text input field.
- Usage Details (35):** Includes a dropdown menu for 'Equipment ID' and a date field set to '05/10/2016'.
- Time and Duration (36, 37):** Includes 'Start Time' and 'End Time' input fields, a 'Go' button, and a 'Duration' input field.
- Problems/Comments/Suggestions:** A large text area for user input.
- Buttons (38, 39):** At the bottom, there are 'Enter', 'Reset', and 'Cancel' buttons. The 'Enter' button is highlighted with a red box and labeled 38. The window's close button (X) in the title bar is highlighted with a red box and labeled 39.

- 40. Shut down computer by pulling up the menu in the lower left corner of the left hand monitor and click Shut Down.**



41. Turn off Exfo lamp.



42. Make sure computer is completely shut down before you turn off system.
43. Wait until you hear the laser fan in the big box to the left of the microscope to go off.
44. Turn off the System/PC and Components switches.

